

Application Serial No. 10/562,516
Reply to Office Action of July 10, 2008

PATENT
Docket: CU-4639

REMARKS

In the Office Action, dated Jul7 10, 2008, the Examiner states that Claims 18-31 are pending and rejected. By the present Amendment, Applicant amends the claims.

1. Rejection of Claims 18-31 under 35 U.S.C. 103(a)

Claims 18-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Masahiro (JP 2003-66206) in view of Cohen (US 4,621,898) for the reasons of record. Applicant respectfully disagrees with and traverses this rejection.

One of the features of the present invention is that "the wedge-shaped portion has a bottom surface on a screen image side while having a leading edge on a observer side" as described in Claim 18. Applicant asserts, and the Examiner has agreed, that this feature is different from that of Masahiro.

When a conventional view angle control sheet is used with the orientation the same as that of the present invention, the ghost is easy to generate. Both Masahiro and Cohen do not disclose the ghost generation.

Because each picture cell of a screen image light source emits the image having a certain degree of spread, the image from plural picture cells enters one lens of the view angle control sheet. When the desirable image and the intensive undesirable image from another picture cells emit to the observer from the same lens, the ghost is generated.

Therefore, whether the ghost would be generated or not depends on the relation between the position of a screen image light source and the constitution of the view angle control sheet.

The purposes of the present invention are not only increasing brightness of the image but also preventing the ghost generation. And the purposes are achieved only by the constitutions of the present invention.

The Office Action considers that "It is noted that the combined product in which the bottom surface of the wedge-shaped portion face the image side and leading edge of the wedge-shaped portion faces to viewer side as provided by Masahiro et al in view of Cohen will inherently have an outside light beam absorption effect due to the same structure of the optical element and the same arrangement of the optical element with respect to the image side and the observed side." Applicant respectfully disagrees.

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The view angle control sheet of the present invention has common effects with the sheet of Masahiro and Cohen about "light beam absorption effect" and increasing brightness of image." However, the sheet of Masahiro and Cohen do not have the effect of preventing the ghost generation. Moreover, Masahiro and Cohen do not disclose the constitution for preventing the ghost generation.

In the present invention, both increasing brightness of image and preventing the ghost generation are achieved by the constitution of " $-0.01 < \cos \Theta < 0.002$ ". This is also described in paragraphs 0056 and 0057 of WO2005/116698. Although the constitutions of the present invention partially have the same constitution as the invention of Masahiro in view of Cohen, the sheet by Masahiro in view of Cohen is not always preventing the ghost generation and is thus different than that of the rejected claims.

Moreover, in the present invention, the angle Θ formed by the slope portion of the wedge-shaped portion and a normal line of the light beam outgoing plane is in range of " $3 \leq \Theta \leq 20^\circ$ ". This is also described in paragraph 0030 of WO2005/116698. This constitution achieves the prevention of the ghost generation.

The effects of increasing the brightness of the image and preventing the ghost generation are achieved by the constitutions of the present invention. The sheet by Masahiro in view of Cohen is not always preventing the ghost generation and is thus clearly different than the sheet of the present invention. Accordingly, Applicant respectfully asserts that even if the references were combined as suggested in the Office Action, such a combination would fall short of yielding the sheet recited in the rejected claims. As such, Applicant respectfully requests withdrawal of the present rejection under 35 U.S.C. 103(a).

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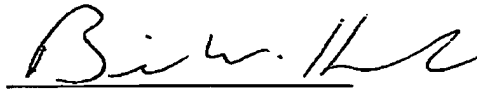
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In light of the foregoing response, all the outstanding objections and rejections are considered overcome. Applicant respectfully submits that this application should now be in condition for allowance and respectfully requests favorable consideration.

Respectfully submitted,

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Date



Attorney for Applicant
Brian W. Hameder
c/o Ladas & Parry LLP
224 South Michigan Avenue
Chicago, Illinois 60604
(312) 427-1300
Reg. No. 45613